



**Declaration of non-use of**

**photoinitiators in**  
**solvent based, water based, electron beam curing inks**  
**and oxidative drying sheetfed inks**

**&**

**low molecular weight photoinitiators**  
**in UV curing inks and varnishes intended for**  
**nutrition, pharma and hygiene (“NPH”) applications**

Photoinitiators in general have no technical function in above mentioned “non-UV” inks which are dried via different processes. Consequently, in the manufacture of all solvent based, water based, electron beam curing inks and oxidative drying sheetfed inks supplied by Siegwerk, photoinitiators are not part of the formulation.

Photoinitiators have a key function in the curing process of UV inks. Isopropylthioxanthone (also called ITX, CAS 5495-84-1 and CAS 83846-86-0), 2,4-diethylthioxanthone (DETX, CAS 82799-44-8), 2-hydroxy-2-methylpropiophenone (CAS 7473-98-5), 4-methylbenzophenone (CAS 134-84-9), 2,2-dimethoxy-2-phenylacetophenone (also called benzildimethylketal BDK, CAS 24650-42-8) belong to a range of substances with **low molecular weight** and “**high migration**” **properties**. Siegwerk considers this group of photoinitiators as **not suitable** for use in UV curing printing inks and varnishes intended for NPH applications<sup>1</sup>.

Therefore, high migration potential photoinitiators, as well as raw materials containing them, **are not used** as intentionally added ingredients in the manufacture of **all** UV curing inks and varnishes supplied by Siegwerk which are **intended for NPH applications** (“Siegwerk Migration Optimized Inks and Varnishes”). A list of relevant NPH products can be found on the next page.

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<sup>1</sup> Siegwerk’s policy is in line with the “EuPIA Guideline on Printing Inks applied to the non-food contact surface of food packaging materials and articles” and with the “EuPIA Suitability List of Photoinitiators and Photosynergists for Food Contact Materials”, [www.eupia.org](http://www.eupia.org).



The relevant NPH product portfolio includes:

**Offset UV**

SICURA Litho Nutri\*  
SICURA Nutriplast\*  
SICURA Plast LM  
SICURA NutriBoard  
SICURA Nutritube

**Flexo UV**

SICURA Nutriflex\*  
SICURA Nutriflex LEDTec\*  
UV 59, 256, 259, 260, 261, 262, 270, 280, 281

**Inkjet UV**

SICURA NutriJet\*

**UV OPV**

SICURA Nutri Offset\*  
SICURA Nutriflex\*  
SICURA Nutriflex LEDTec\*  
UV 459, 656, 659, 670, 680

**Screen UV**

SICURA Nutriscreen

**Additives**

SICURA Nutri Additives

In all cases \* indicates that multiple product portfolio name endings are possible, but all products with this stem in their name have been formulated for NPH use.

The information in this document reflects Siegwerk's policy and commitments. This statement is valid without signature.